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**PHOTOELECTRIC BVR_c OBSERVATIONS
FOR THE NEW CEPHEID VARIABLE STAR GSC 3596.0433**

Recently Antipin (1996) has analysed photographic archival plates at Sternberg Astronomical Institute of Moscow and found that the star GSC 3596.0433 is a Cepheid variable with the elements:

$$\text{Max } JD_{hel} = 2447450.22 + 2.41827 \times E$$

We observed this Cepheid photoelectrically at Mt. Maidanak observatory in August 1996 using the 60-cm reflector; a total of 39 BVR_c measurements were obtained (Table 1), the accuracy of the individual data is near $\pm 0^m.01$ in V and near $\pm 0^m.02$ in $B - V$ and $V - R_c$. Above elements are used in Figure 1 for plotting our observations. According to our data, the amplitude of the light curve is $0^m.57$ in V , $0^m.25$ in $B - V$ and $0^m.13$ in $V - R_c$.

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Table 1

JD_{hel}	V	$B - V$	$V - R_c$	JD_{hel}	V	$B - V$	$V - R_c$
2450300+				2450300+			
11.3125	11.894	1.525	0.938	20.4433	12.168	1.550	0.952
11.3541	11.909	1.495	0.922	21.1616	11.985	1.498	0.939
12.2279	12.282	1.685	1.004	21.2458	12.032	1.558	0.941
12.2941	12.280	1.699	0.983	21.3020	12.039	1.583	0.929
13.1827	12.151	1.572	0.955	21.3478	12.060	1.561	0.952
13.2858	12.007	1.528	0.915	21.4882	12.137	1.599	0.964
14.1664	12.102	1.631	0.974	22.1558	12.313	1.669	0.997
14.3116	12.151	1.629	1.009	22.1956	12.321	1.672	1.008
15.1712	12.343	1.691	-	22.2341	12.351	1.716	1.006
15.3374	12.327	1.713	1.018	22.2974	12.340	1.730	0.999
16.1656	11.893	1.528	0.878	22.3488	12.351	1.678	0.987
16.2731	11.974	1.543	0.916	22.4821	12.371	-	1.019
18.2924	11.861	1.501	0.854	23.1587	11.822	1.497	0.874
19.1749	12.170	1.629	0.974	23.3018	11.834	1.470	0.896
19.3500	12.202	1.631	0.984	23.4410	11.911	1.556	0.909
20.1698	12.337	1.740	1.000	24.1714	12.235	1.663	0.996
20.2141	12.328	-	0.988	24.3991	12.278	1.657	1.005
20.2659	12.326	1.693	0.979	25.1763	12.238	1.575	0.972
20.3059	12.273	1.620	0.956	25.3291	12.083	1.550	0.943
20.3479	12.232	1.629	0.946				

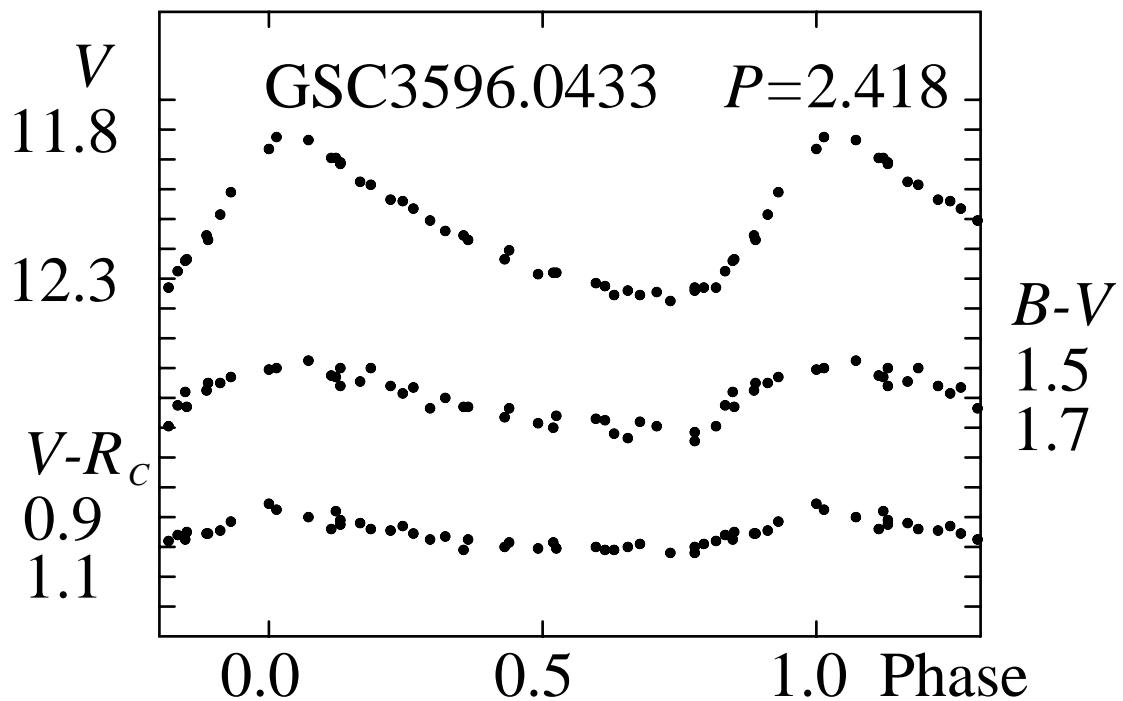


Figure 1

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Reference:

Antipin, S.V., 1996, Peremennye Zvezdy (in press)